



QUARTERLY SUMMER 2015

Contents

ACHA at the 2015 PDC Summit. 1

ACHA Deep Dive Workshop: Can Hospitals Meet the 2030 Challenge?. 2

President’s Message 3

Calendar of Events 4

Mentor Opportunities 4

2015 Summer Leadership Summit. 4

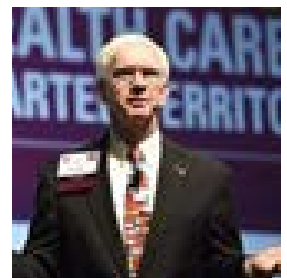
ACHA at the 2015 PDC Summit

By Bill Sabatini, AIA, ACHA

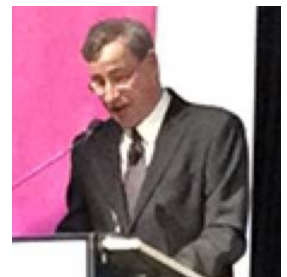
Many ACHA certificate holders were among the 2,500 registrants at the 2015 PDC Summit with the theme, INNOVATING IN HEALTH CARE’S UNCHARTED TERRITORY, held March 15-18 in San Antonio. Keynote speaker, IDEO partner Tom Kelly, kicked off the conference with an inspiring talk about creative confidence, a natural ability and courage to act we all possess. He asked if, in our “state of creativity,” 80 percent of us think creativity is a key to economic growth and 25 percent of us are living up to our potential, how can we unlock the other 75 percent? He said a key was by blending technology with humanity integrating design thinking, business viability and technical feasibility with people and what they desire. He pointed out how we tend to overcomplicate problems compromising our ability to solve them. As a designer, does this resonate with you? He cited an “empathy toolkit” that includes looking and listening, asking, then asking again, and finally, trying. He suggested we find safe ways to experiment by lowering the bar and not be afraid of “ugly prototypes.” Dyson made 5,128 prototypes before he found the right answer. He did not discover big changes, but little changes to perfect his answer. As we confront the challenges presented in the healthcare industry, we can find the answers we need with courage, patience, open minds and expectations for success with small, but steady improvement.

The conference proceeded with sessions dealing with Principles of Construction, Principles of Planning and Design, Leadership, Innovation, FGI Guidelines, Regulatory Issues and Delivering Value to the Executive Level.

A highlight was the ACHA Masters Series: Creating a Legacy for 2040 presented by our own, Frank Pitts, FAIA, FACHA and Ray Pentecost, FAIA, FACHA along with Dr. Richard Satava. Pitts quoted Yogi Berra to set the tone for the presentation, “The future is not what it used to be.” Dr. Richard Satava delivered a spell binding look at new technologies that will



Ray Pentecost, FAIA, FACHA



Frank Pitts, FAIA, FACHA



Gregg Moon, AIA, ACHA at the ACHA Booth

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ACHA Deep Dive Workshop: Can Hospitals Meet the 2030 Challenge?

By Connie S. McFarland, FAIA, FACHA

Hospitals in the United States use at least 5 percent of the total energy used in the country. It costs 2 to 3 percent more in initial construction cost to design and construct energy efficient buildings. The deep dive session on March 15, 2015, led by Heather Burpee, M.Arch, and Joel Loveland are both energy and design specialists at the University of Washington's Integrated Design Lab. They are nationally recognized scholars in high performance healthcare buildings, and they both presented successful hospital design strategies based on research conducted by Targeting 100! Following the goals of Architecture 2030 and The 2030 Challenge, Targeting 100! aims to communicate design strategies and the cost implications for new hospitals that utilize 60 percent less energy than a typical hospital or approximately 100 KBtu/sf per year. Thus the name Targeting 100!

The workshop provided a forum to discuss opportunities for deep energy savings in both new construction and in existing facilities. The session presented how to identify where the energy in hospitals is consumed and where there can be major opportunities for increased energy efficiency. The presenters focused on effective ideas for energy reduction in areas such as when and why peak demands occur and how to reduce them, prioritizing where air change levels are most effective rather than a general application within hospitals, using ground based heat pump systems when possible and many other detailed systems strategies. Many energy saving operational buildings were used as practical examples.

Kevin Sandrella, PE, LEED AP, is an electrical engineer and presented CMTA's work, covering 9 Net Zero Energy projects and providing a deep dive presentation on Clark Regional Medical Center, a low energy hospital that is on the path to Targeting 100! CMTA did an excellent service by not only carefully defining energy savings concepts for their clients, but they followed through with energy saving reports to their clients each year, outlining what the facility would have been paying for utilities versus what they were actually paying each year. This follow through was helpful for future projects and confirmed the good decision making of their clients at critical points of projects to make the most difference in annual operating expenses.

Travis English, PE is a mechanical engineer with Kaiser Permanente; he presented a historical construct of how air changes in hospitals were established, and have evolved into current codes. His focus was on the effectiveness and energy expense of air changes rates. Kaiser plans to focus on indoor air quality in lieu of air changes per hour based on their study of the historical progression of air changes and codes including ASHRAE 170. There will be more information on this topic after more review and research has been completed.



Speakers (from left): Joel Loveland, Kevin Sandrella, Heather Burpee, Travis English

2015 PDC Summit, *continued from page 1*

change how healthcare is delivered in the not so distant future. Beginning with a frightening illustration of combat in the future and the introduction of the LSTAT (no, not the Law School Admissions Test, the Life Support for Trauma and Transport) that will enable the hospital to come to the casualty not the casualty to the hospital. It is a fully functional ICU including, among other things, a defibrillator, ventilator, suction and blood chemistry analyzer. Satava speculates the robotic operating room with no people is just around the corner. We will soon see non-invasive surgery and humanoid robot rescue operations. Star Wars has arrived with the deployment of energy directed

weapons, a technology that will move us from tissue and instruments to information and energy, a further step in the transition from the industrial age to the information age. We will have the capability to literally replace our body parts with 3D printing. Just as the audience became excited about the possibilities, Dr. Satava posed the ultimate question, "For the first time in human experience we have the power to control our own evolution. Who will be the next 'created' species?" Dr. Pentecost concluded the presentation with a motivational and entertaining look at shaping the legacy context by focusing on performance, population and price.

President's Message

Greeting Certificants! I trust that we are all out there doing what we do best: creating outstanding healthcare architecture. My mission as president in 2015 is to ensure that the College continues to grow by adding value to board certification. There are still many healthcare architects out there who do not see the value of certification. For the balance of the year, I am challenging the Board of Regents to bring you proof and convince others to seek certification. As we work diligently to provide you with tangible proof, I invite each and every one of you to join us at the many programs we have planned this year.

At the recent PDC conference in San Antonio, I enjoyed visiting with many of you. I hope you had the opportunity to take in the four programs organized by the ACHA. Specifically, I hope you were able to take in the Legacy Plenary where Frank Pitts, Ray Pentecost and Dr. Richard Satava gave us a good look into the future. What a treat! If they were even close in their predictions, healthcare is in for major transformation. The preliminary feedback that I have received was that all of our programs were well received, well attended and provided great content.

Next up we have the Summer Leadership Summit (SLS) in July in Chicago. This conference began 20 years ago as a small get-together of industry leaders, and has evolved into the place to be. Although the SLS is by invitation only, I urge you to get online and sign up. If you are a leader, passionate about what you do, and want to make a difference, you need to attend. An important collaboration between the ACHA and the AAH, this is the place to be. Prior to the official conference, plan to attend the ACHA Luncheon (free of charge to our certificants and candidates on Friday). We have a terrific program planned. When the Summit kicks off on Friday afternoon, we have assembled an impressive roster of speakers.

The rich program content is only part of the value of attending. Take the time to meet and get to know other leaders in our profession. On Saturday night, plan to attend the Academy of Architecture for Health Foundation Fundraiser at the Chicago Museum of Contemporary Art, and on Sunday morning there are two hospital tours – The Ann & Robert H. Lurie Children's Hospital of Chicago and the Rehabilitation Institute of Chicago's Ability Institute. The tours offer great insight into new models of care.

I predict that if you take the time to come to Chicago for the SLS and participate once, this will become an annual event for you. Trust me!

Another major event taking place this year comes from our Communications and Outreach Committee. You should have received an "ACHA Career" Survey asking about your years of healthcare experience, etc. Although the information being surveyed is specific to you, it will be combined into statistics that represent the College as a whole. Having good statistics allows the College to explain why clients need the dedicated experience of an ACHA certificate holder on the design teams they commission. In turn, we expect this to bring you greater value and it may even help you achieve your professional goals. Your input is critical as we value your opinion and participation.

Finally, I urge you to get involved. Our volunteer organization is only as good as its body of certificate holders. I would like to thank those terrific individuals who take great pride in the importance and value of being board certified. Your work and constant pursuit of excellence is unmatched. Meanwhile, there are numerous opportunities for others to join in, grow within the organization and enjoy the camaraderie of your peers.

Last year under Connie's leadership, we embarked on a strategic vision to grow value and numbers in certificants. In 2014, the ACHA revamped the exam process, and grew above 400 certificants for the first time. This year, we will demonstrate the value and build new momentum within the ACHA. Be a part of it.

I look forward to seeing each of you in Chicago!



Anthony J. Haas, FAIA, FACHA
2015 ACHA President

P.S. If at any time, any of you would like to talk about our organization, please feel free to give me a call and share your ideas.



Anthony J. Haas

Watch for ACHA's 2015 series of white papers coming soon!

JULY 17-19, 2015

Summer Leadership Summit
Chicago, Illinois

OCTOBER 6-8, 2015

Healthcare Facilities Symposium & Expo
Chicago, Illinois

NOVEMBER 14-17, 2015

Healthcare Design Conference 2015
Washington, DC



INTERESTED IN MENTORING AND MAKING A DIFFERENCE?

Contact the ACHA Executive Office at 913-895-4604 or ACHA-Info@goAMP.com.

2015 Summer Leadership Summit

“The Role of Innovation in Healthcare”

The planning and speakers committees have once again garnered a slate of fascinating speakers for this year’s Summer Leadership Summit. Here is a glimpse of what the 2015 SLS holds in store:

SLS Speakers

- Larry Stofko of the Innovation Institute and Brian Kolonick of the Cleveland Clinic Innovation Alliances
- Mark Erath and panel on the Baldrige National Quality Award
- Jennifer Liebermann of the Kaiser Permanente Garfield Innovation Center
- Dr. Arthur St. Andre and Kurt Rockstroh on innovation in the FGI Guidelines
- Dima Elissa of VisMed 3D

Hospital Tours

Two tours will be offered this year:

- The Ann & Robert H. Lurie Children’s Hospital of Chicago
- The Rehabilitation Institute of Chicago’s Ability Institute (hard-hat tour, closed-toe shoes required)

ACHA Summer Luncheon

The College will be hosting a luncheon on Friday exclusively for its certificate holders and candidates featuring Barbara Spurrier, Administrative Director of Mayo’s Center for Innovation. The luncheon will be held on Friday, July 17, prior to the Summer Leadership Summit, and advance registration is required.

Register online by July 1 at:

<https://achamember.goamp.com/achawcm/Core/Events/eventdetails.aspx?iKey=SLS2015&TemplateType=A>

